

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Peter TOMA

Serial No.: 10/585,774 Group Art Unit:

Filing Date: July 11, 2006 Examiner:

Title: **METHOD AND APPARATUS FOR SEPARATING
LIQUID DROPLETS FROM A GAS STREAM**

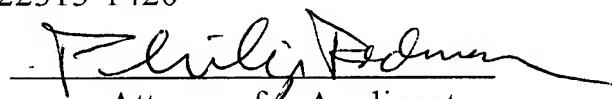
Entity Status: Large Entity

Our Docket: RR-624 PCT/US

CERTIFICATE UNDER 37 CFR 1.8 (a)

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to:

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on April 18, 2007
Attorney for Applicant

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INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 CFR 1.98 (b), applicant encloses completed forms PTO/SB/08A (*page 1-3*) and PTO/SB/08B (*page 4*), listing the U.S. and foreign patent documents, and non-patent literature documents cited herein.

Copies of the cited U.S. patents are not enclosed pursuant to the provisions of 37 CFR 1.98 (a) (2) (ii).

Copies of the foreign patent documents and non-patent literature documents are enclosed.

Applicant respectfully requests that the examiner consider all of the citations listed in this Information Disclosure Statement, in the examination of this application.

Since a first Office Action on this patent application has not yet been received, it is understood that no fee is required for submission of this Information Disclosure Statement.

Should any fee be necessary in connection with the filing of this Information Disclosure Statement, please debit our Deposit Account No. 18-1743.

Respectfully submitted,



Philip Rodman Reg. No. 25,704
Attorney for Applicant

Dated: April 18, 2007

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/585,774
Filing Date	July 11, 2006 (national entry)
First Named Inventor	Peter Toma
Art Unit	Unknown
Examiner Name	Unknown

Attorney Docket Number RR-624 PCT/US

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 2,437,446	03-09-1948	Stephens	
		US- 2,659,450	11-17-1953	Baird	
		US- 3,872,014	03-18-1975	Schell	
		US- 3,884,660	05-20-1975	Perry, Jr. et. al.	
		US- 4,083,780	04-11-1978	Call	
		US- 4,187,089	02-05-1980	Hodgson	
		US- 4,650,581	03-17-1987	Angles et. al.	
		US- 4,769,050	09-06-1988	Shaw et. al.	
		US- 5,137,637	08-11-1992	Korin	
		US- 5,391,211	02-21-1995	Alliston et. al.	
		US- 5,393,315	02-28-1995	Alliston et. al.	
		US- 6,080,225	06-27-2000	Forster	
		US- 6,083,291	07-04-2000	Okada et. al.	
		US- 6,447,685	09-10-2002	Saal et. al.	
		US- 6,514,322	02-04-2003	West	
		US- 6,524,373	02-25-2003	Afeiche et. al.	
		US- 6,155,102	12-05-2000	Toma et. al.	
		US- 6,272,934	08-14-2001	Rajan et. al.	
		US- 5,869,771	02-09-1999	Rajan et. al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		CA 1,047,947	02-06-1979	Hill		
		CA 1,113,024	11-24-1981	Arhipainen et. al.		
		CA 2,127,773	07-22-1995	Lerner		
		CA 2, 298,418	08-11-2001	Munro		
		CA 2,388,108	12-10-2003	Krepelka		
		CA 2,448,255	12-19-2002	West		

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 4

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		Country Code ² -Number ⁴ -Kind Code ⁵ (if known)			
		CA 2,477,456	11-13-2003	Cargnelli et. al.	
		WO 87/07185	12-03-1987	Kiselev	
		WO 99/38602	08-05-1999	Chahal	
		WO 01/58575	08-16-2001	Munro	
		GB 1,505,293	03-30-1978	Biebighaeuser Metallwerk	

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		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)			
		EP 0 794 649	09-10-1997	de Jager et. al.	

Examiner Signature		Date Considered	
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				Examiner Name	Unknown
Sheet	4	of	4	Attorney Docket Number	RR-624 PCT/US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Kouba, G.E. and Shoham, O., "A Review of Gas-Liquid Cylindrical Cyclone (GLCC) Technology," presented at the "Production Separation Systems" International Conference, Aberdeen, U.K., April 23 & 24, 1996, 25 pp.	
		Wang, Shoubo et. al., "Gas-Liquid Cylindrical Cyclone (GLCC) Compact Separators for Wet Gas Applications," Proceedings of ETCE 2001, Engineering Technology Conference on Energy, February 5-7, 2001, Houston, TX, 11 pp.	
		International Search Report dated April 6, 2005 and International Preliminary Report on Patentability dated July 27, 2006 from the ISA in corresponding PCT International Application PCT/CA2005/000089	
		Materials downloaded March 31, 2003 from the Tulsa University Separation Technology Projects website www.tustp.org/about_the_glcc, 12 pp.	
		Wang, Shoubo et. al., presentation entitled "High Pressure Testing of Wet Gas GLCC Separators", University of Tulsa, February 5, 2002, 17 pp.	

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